

CLAIMS

What is claimed:

1. A shared wall assembly for housing a plurality of functional components of a motor vehicle, the shared wall assembly comprising:

a main body portion partially defining first, second and third chambers, the main body portion including a first shared wall disposed between the first and second chambers and a second shared wall disposed between the second and third chambers; and

an upper unit for further defining at least two of the first, second and third chambers, the cover member removable attached to the main body portion.

2. The shared wall assembly for housing a plurality of functional components of a motor vehicle of Claim 1, wherein the upper unit further defines each of the first, second and third chambers.

3. The shared wall assembly for housing a plurality of functional components of a motor vehicle of Claim 1, wherein the first and second shared walls are perpendicular.

4. The shared wall assembly for housing a plurality of functional components of a motor vehicle of Claim 1, wherein the upper unit includes an upper surface defining at least one generally planar surface.

5. The shared wall assembly for housing a plurality of functional components of a motor vehicle of Claim 4 in combination with the vehicle, the shared wall assembly secured to a chassis of the vehicle.

6. The shared wall assembly for housing a plurality of functional components of a motor vehicle of Claim 5, wherein the upper surface extends along a substantially portion of a length of an engine compartment of the vehicle.

7. The shared wall assembly for housing a plurality of functional components of a motor vehicle of Claim 1, wherein the upper unit includes a downwardly extending portion terminating at a horizontal flange, the horizontal flange partially defining one of the first, second and third chambers.

8. An assembly for mounting in an engine compartment of a motor vehicle, the assembly comprising:

a lower unit including a first portion partially defining an air box and a second portion partially defining at least one chamber for receiving a functional component of the motor vehicle; and

a first cover for further defining the air box.

9. The assembly for mounting in an engine compartment of a motor vehicle, the assembly of Claim 8, further comprising a second cover for further defining the at least one chamber.

10. The assembly for mounting in an engine compartment of a motor vehicle, the assembly of Claim 8, wherein the first cover includes a tubular input.

11. The assembly for mounting in an engine compartment of a motor vehicle, the assembly of Claim 8 in combination with the vehicle, the assembly secured to a chassis of the vehicle.

12. An underhood mounting system for mounting a plurality of underhood components including a battery to a motor vehicle body, the underhood mounting system comprising:

an integrally formed receiver member defining a plurality of dedicated locations for receiving a corresponding plurality of underhood components, the receiver member for attachment to the body of the vehicle;

a first dedicated location of the plurality of dedicated locations defining a portion of a battery chamber; and

a cover member operable to cooperate with the first dedicated location to define a remainder of the battery chamber, the cover member defining a projection portion for engaging the battery and maintaining the battery in a secure relationship with the battery chamber in an assembled position.

13. The underhood mounting system of Claim 12, wherein the cover member defines an upper portion for covering a top face of the battery and a forward portion for covering a forward face of the battery, the forward portion incorporating the projection portion thereon.

14. The underhood mounting system of Claim 13, further comprising a coupling member, the coupling member adapted to selectively secure the cover member to the first dedicated location of the receiver member.

15. The underhood mounting system of Claim 14, wherein the coupling member is operable to locate the cover member in a position relative to the first dedicated location of the receiver member whereby the projection portion is influenced into the battery for maintaining the battery in the secure relationship with the battery chamber.

16. The underhood mounting system of Claim 15, wherein the projection portion is in the form of a wedge.

17. The underhood mounting system of Claim 13, wherein the upper portion includes removable insert portions for providing access to terminals extending from the top face of the battery.

18. The underhood mounting system of Claim 15, further comprising a second dedicated location of the plurality of locations defining a receiving portion for accepting an engine control module.

19. The underhood mounting system of Claim 17, further comprising a third dedicated location of the plurality of locations defining a receiving portion for accepting a fuseblock.

20. An underhood mounting system for a vehicle comprising:
 - an engine cover defining an opening on an upper surface, the opening providing access to a throttle body; and
 - a removable throttle body access cover covering the opening in an installed position.